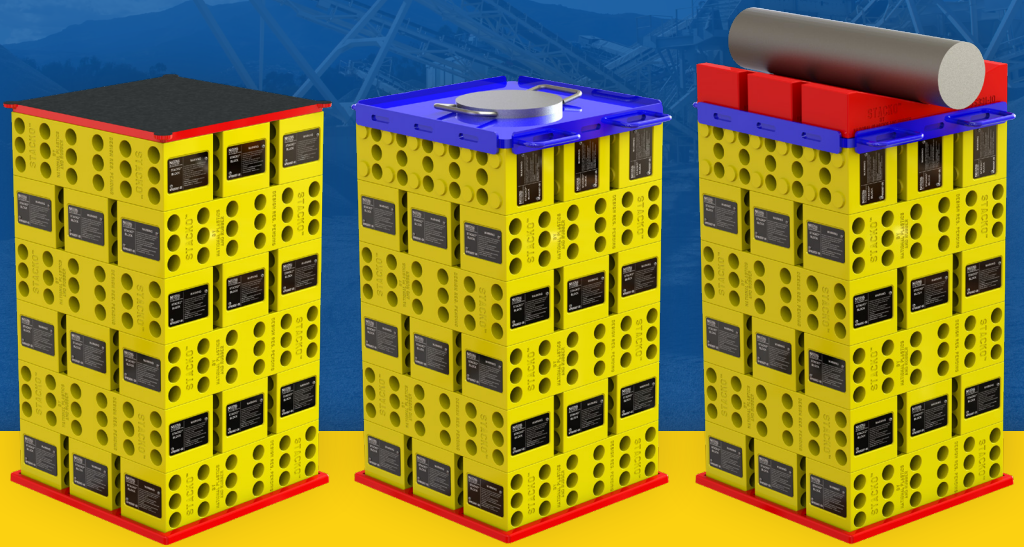


NATIONAL
PLASTICS & RUBBER



STACKO™
BLOCKS

Leaders in the design and manufacture of Polyurethane,
Rubber and Industrial Plastic products.

WHY STACKO™?

Made from an extremely tough and impact resistant material Load rated

Laboratory Tested to AS1170

Independently certified

Unique interlocking design for added safety

UV stabilised

Light weight

Splinter free – safer to handle

Long term cost savings

Hi-Vis Yellow

Many configurations for various applications

Manufactured with virgin material to guarantee consistency

Resistant to oil and most workshop chemicals

No splitting or rot problems

Rodent and insect resistant

Salt water resistant

Quality controlled manufacture and testing processes to ensure consistency



STACKO™ LOAD RATED SUPPORT BLOCKS

Stacko™ Blocks are a unique and configurable solution for load support. A must for any workshop to ensure absolute safety and long term return.



LOAD RATED

LABORATORY & INDEPENDENTLY TESTED



MULTIPLE CONFIGURATIONS TO SUIT DIFFERENT LOADS



UV STABILISED

LIGHT WEIGHT

UP TO 30% LIGHTER THAN TIMBER & OTHER PRODUCTS



TOUGH & SAFE

INTERLOCKING DESIGN FOR ADDED SAFETY



STACK UP TO 150CM (60") EXCLUDING TOP CONFIGURATION

THE SUPERIOR ALTERNATIVE.

Stacko™ Blocks have been developed from the ground up as a superior alternative to traditional timber blocks. Manufactured from high quality UV stabilised materials ensures Stacko™ Blocks will perform to expectations for the long term.

Stacko™ Blocks are safe due to their interlocking design, up to 30% lighter than other products and are load rated with laboratory & independent testing.

STACKO™ BLOCK

PART NO. NPR05007-00

Used in Configuration 1 - 7

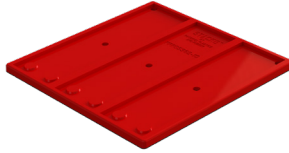




	510mm L
	150mm W
	150mm D
	8kg

BASE PAD

PART NO. NPR05362-10

with Patented High Traction Base
Used in Configuration 2-7 or
when forming any stack.



	560mm L
	555mm W
	20mm D
	4.5kg

JACK PLATE

PART NO. NPR05408-20

Used in Configuration 3



	350mm L
	250mm W
	30mm D
	8kg

TOP PAD

PART NO. NPR05409-10

with Patented High Traction Top
Used in Configuration 4 & 5

Aust. Pat. No. 2017228727




	545mm L
	545mm W
	20mm D
	6.5kg

SINGLE V-BLOCK

PART NO. NPR05391-10

Used In Configuration 8

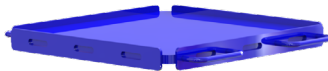




	515mm L
	150mm W
	100mm D
	6.6kg

TOP PLATE

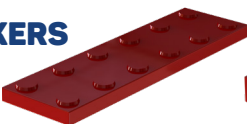
PART NO. NPR05408-00

Used in Configuration 2 & 3



	640mm L
	520mm W
	50mm D
	42kg

PACKERS



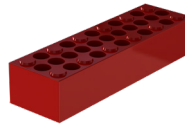
2.5cm (1")

Part No. NPR05377-30



5cm (2")

Part No. NPR05377-20



10cm (4")

Part No. NPR05377-10

	510mm L
	150mm W
	10.5kg

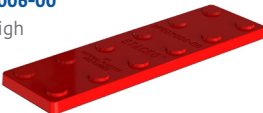
TOP OR BOTTOM PAD - SINGLE

PART NO. NPR07006-00

with Patented High
Traction Top

Aust. Pat.

No. 2017228727



	514mm L
	154mm W
	26mm D
	2kg

STACKO™ CONFIGURATIONS

SINGLE STACKO™ BLOCK

CONFIGURATION 1

Used as a single block/s.



Maximum Load Area at Maximum Load Rating

Round - Ø10cm (4 inch)
 Square - 10cm x 10cm (4x4 inch)
 Area - 100 sq cm (16 sq inch)

Load Rating

30kg/sq cm (426 psi)

Maximum Load

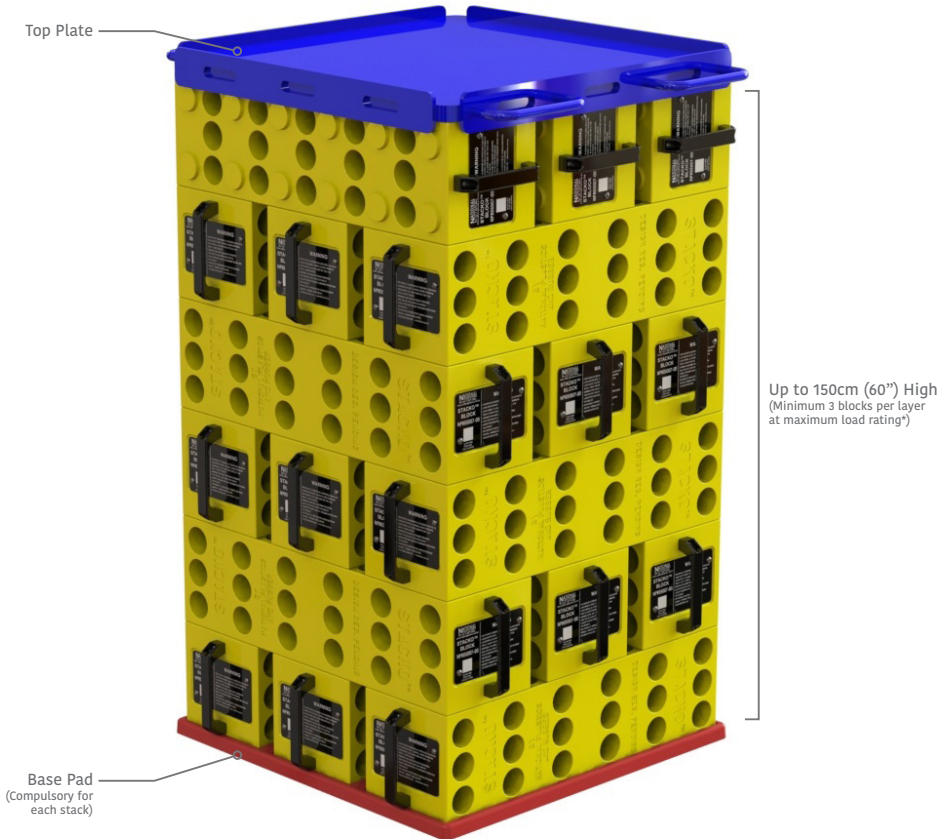
23,000kg (50,600lb)

Tested to AS1170.0 2002 with 3:1 Load safety factor at temperature range of -50C (-58F) to +40C (104F)

STACK+TOP PLATE

CONFIGURATION 2

This configuration is a multi-purpose stack to be used where load area fits within the Top Plate edge.



Up to 150cm (60") High
(Minimum 3 blocks per layer
at maximum load rating*)

Load Rating

100kg/sq cm (1422 psi)

Maximum Load

60,000kg (132,000lb)

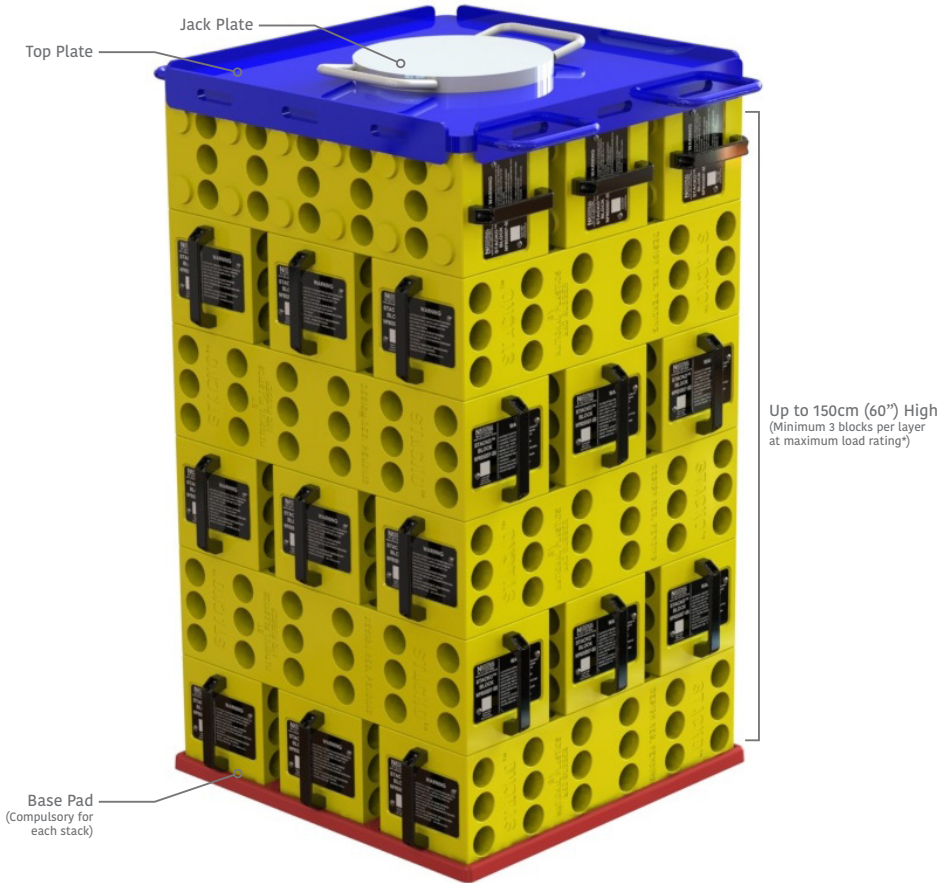
Tested to AS1170.0 2002 with 3:1 Load safety factor at temperature range of -50C (-58F) to +40C (104F)

*Higher stacks and stacks with 2 blocks per layer can be built for lighter loads but is not recommended.

STACK+TOP PLATE+JACK PLATE

CONFIGURATION 3

This configuration with steel Top Plate and Jack Plate is suitable to be used as a high load jacking base.



Jack Plate

Ø250mm (10 inch)

Maximum Load when using Jack Plate

60,000kg (132,000lb)

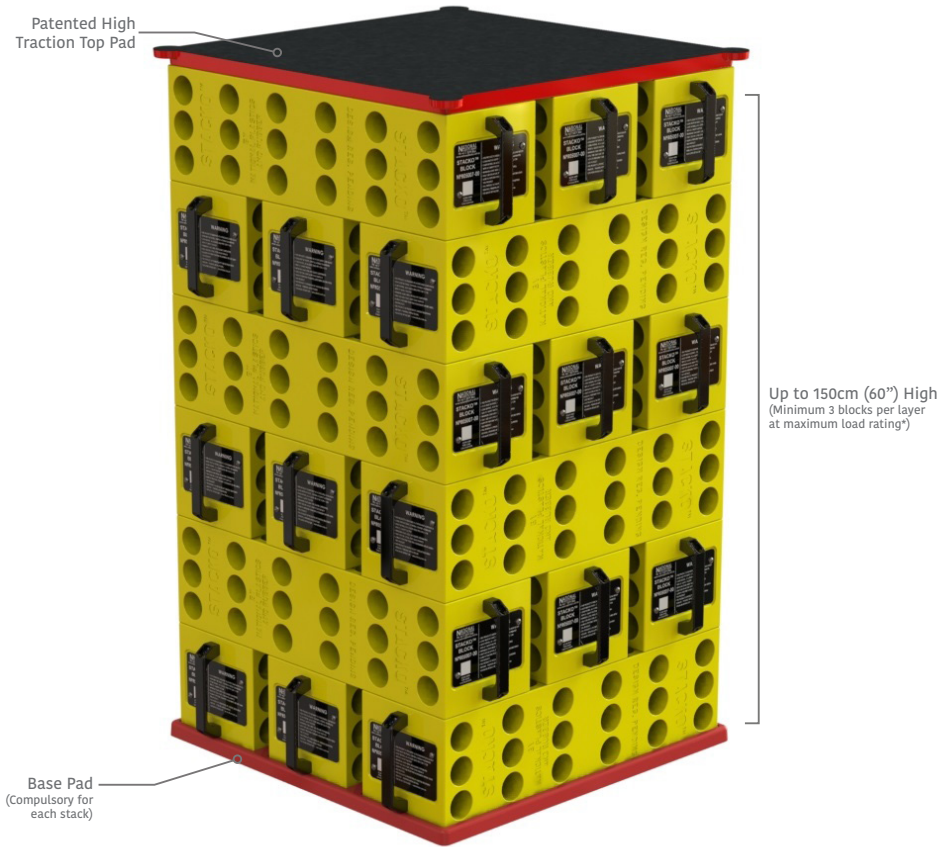
Tested to AS1170.0 2002 with 3:1 Load safety factor at temperature range of -50C (-58F) to +40C (104F)

*Higher stacks and stacks with 2 blocks per layer can be built for lighter loads but is not recommended.

STACK+TOP PAD

CONFIGURATION 4

Multi-Purpose stack suitable for larger load areas with no point loading. The patented high traction top pad provides an improved grip surface.



Load Rating

30kg/sq cm (426 psi)

Maximum Load

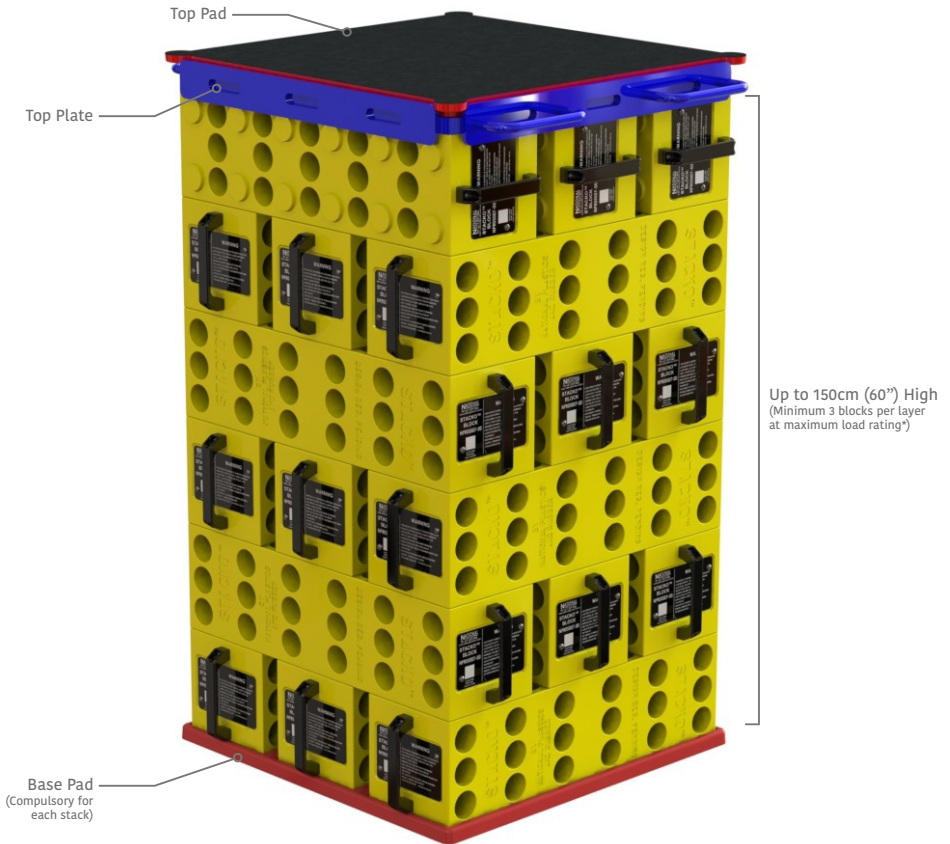
60,000kg (132,000lb)

Tested to AS1170.0 2002 with 3:1 Load safety factor at temperature range of -50C (-58F) to +40C (104F)
 *Higher stacks and stacks with 2 blocks per layer can be built for lighter loads but is not recommended.

STACK+TOP PLATE+TOP PAD

CONFIGURATION 5

With the steel Top Plate & high traction Top Pad, this is a high load stack that provides an improved grip surface for the item being supported. Suitable for load areas larger than the top plate.



Top Plate

100kg/sq cm (1422 psi)

Maximum Load

60,000kg (132,000lb)

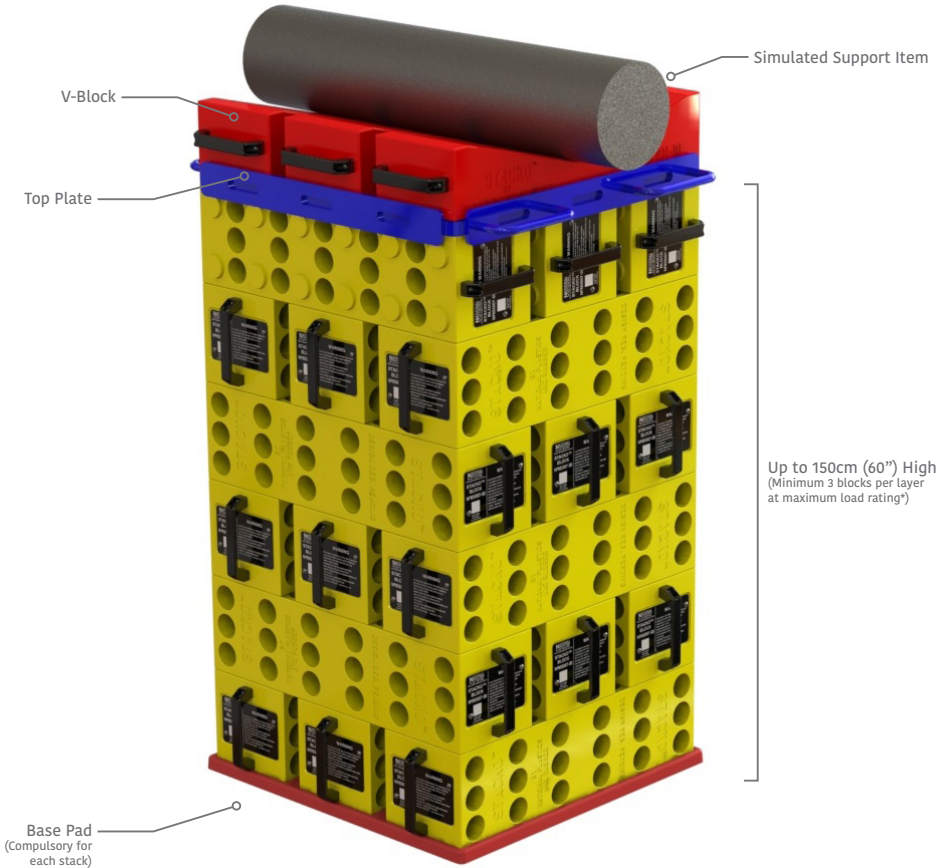
Tested to AS1170.0 2002 with 3:1 Load safety factor at temperature range of -50C (-58F) to +40C (104F)

*Higher stacks and stacks with 2 blocks per layer can be built for lighter loads but is not recommended.

STACK+TOP PLATE+V-BLOCKS

CONFIGURATION 6

Ideal for supporting high load with a curved load face. Higher loads may be possible for diameters above 15cm however you would need to perform your own Risk Assessment.



Minimum Load Diameter

Ø15cm x 15cm long
(Ø6inch x 6inch long)

Maximum Diameter

120cm (48 inches)

Maximum Load

40,000kg (88,000lb)**

Tested to AS1170.0 2002 with 3:1 Load safety factor at temperature range of -50C (-58F) to +40C (104F)

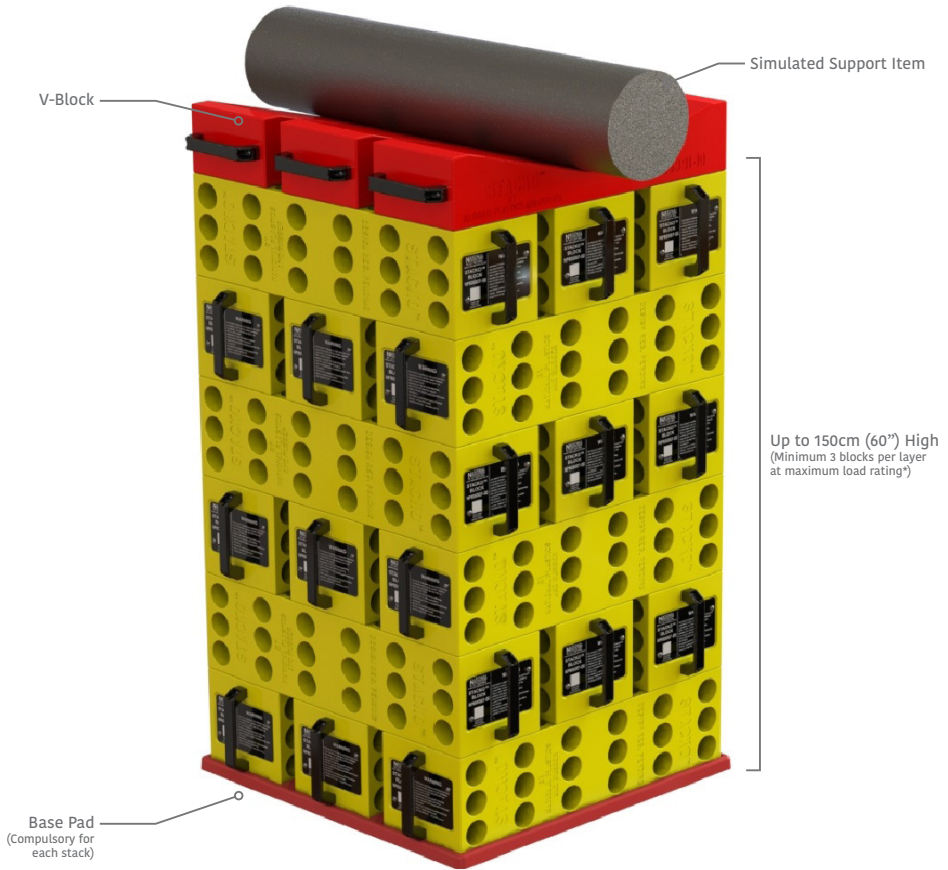
*Higher stacks and stacks with 2 blocks per layer can be built for lighter loads but is not recommended.

**Higher load certification can be provided upon request.

STACK+V-BLOCKS

CONFIGURATION 7

V-Blocks allow support for loads with a curved base. Higher loads may be possible for diameters above 15cm however you would need to perform your own Risk Assessment.



Minimum Load Diameter

Ø15cm x 15cm long
(Ø6inch x 6inch long)

Maximum Diameter

120cm (48 inches)

Maximum Load

20,000kg (44,000lb)**

Tested to AS1170.0 2002 with 3:1 Load safety factor at temperature range of -50C (-58F) to +40C (104F)

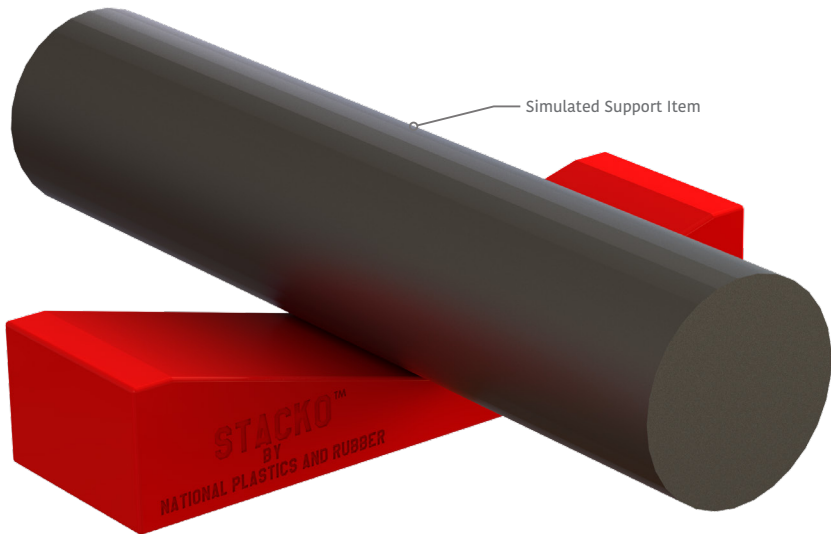
*Higher stacks and stacks with 2 blocks per layer can be built for lighter loads but is not recommended.

**Higher load certification can be provided upon request.

SINGLE V-BLOCK

CONFIGURATION 8

Higher loads may be possible for diameters above 15cm however you would need to perform your own Risk Assessment. Custom shaped support blocks can be manufactured upon request.



Minimum Load Diameter

Ø15cm x 15cm long
(Ø6inch x 6inch long)

Maximum Diameter

120cm (48 inches)

Maximum Load

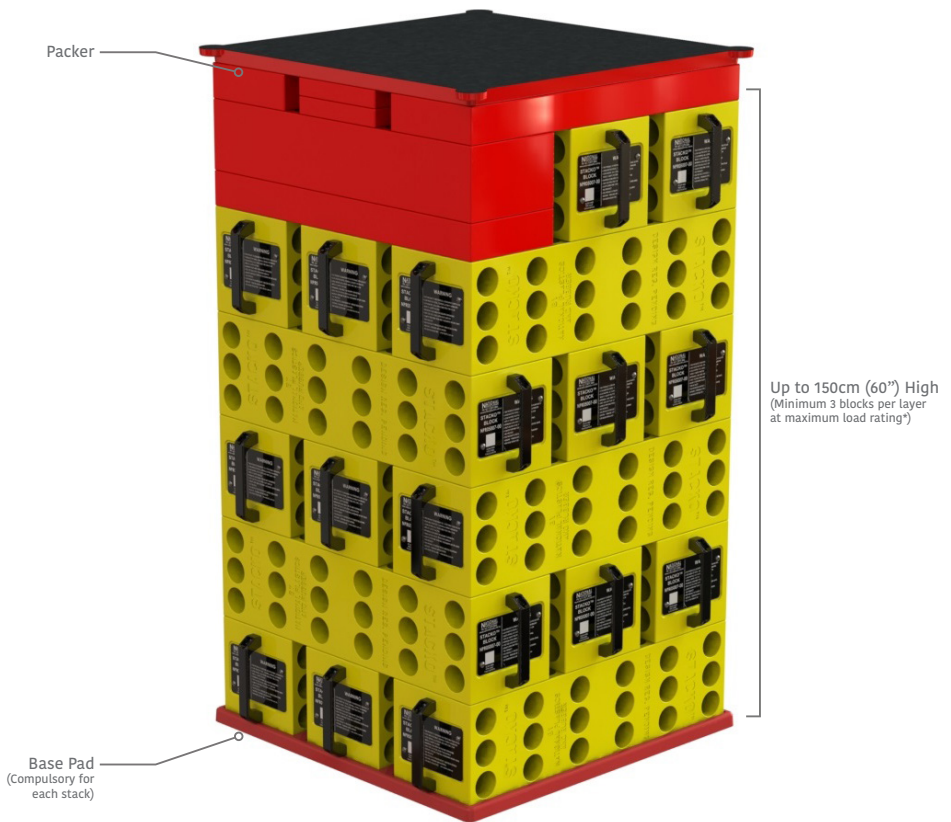
13,000kg (30,500lb)**

Tested to AS1170.0 2002 with 3:1 Load safety factor at temperature range of -50C (-58F) to +40C (104F)

**Higher load certification can be provided upon request.

STACKO™ PACKERS

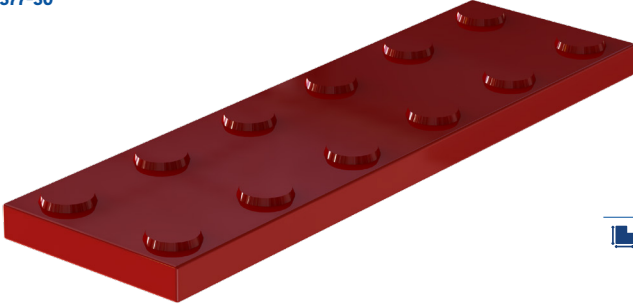
Packers are available in 3 different sizes, used to achieve various stack heights across all configurations.



*Higher stacks and stacks with 2 blocks per layer can be built for lighter loads but is not recommended.

2.5CM (1") PACKER

PART NO. NPR05377-30



 510mm (20") L

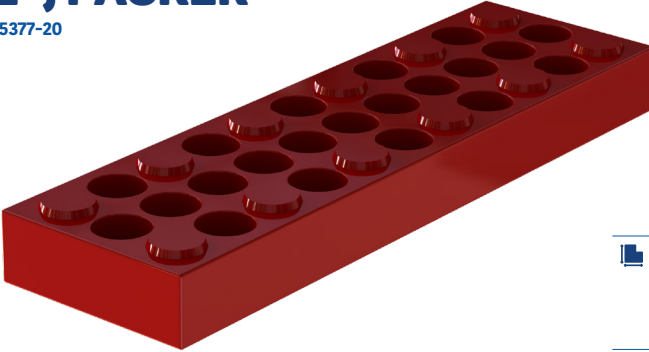
150mm (6") W

25mm (1") D

 2.25kg (5lb)

5CM (2") PACKER

PART NO. NPR05377-20



 510mm (20") L

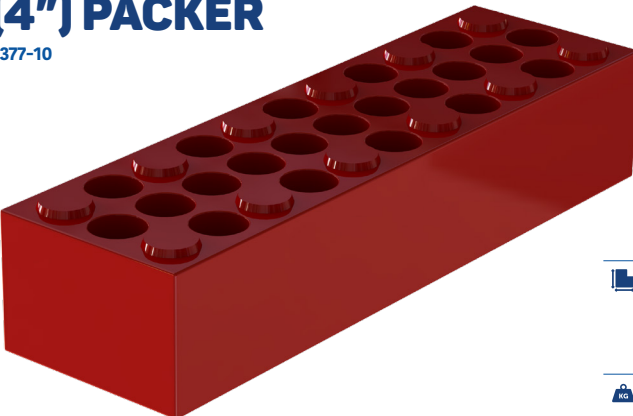
150mm (6") W

50mm (2") D

 3.5kg (7^{1/2}lb)

10CM (4") PACKER

PART NO. NPR05377-10



 510mm (20") L

150mm (6") W

100mm (4") D

 6.5kg (14lb)

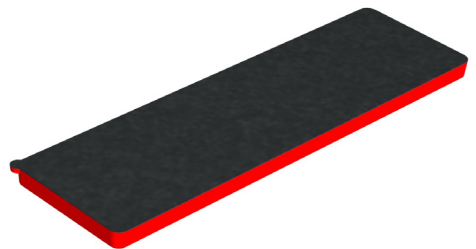
TOP OR BOTTOM PAD

PART NO. NPR07006-00

Made from softer, impact resistant materials, our top or bottom pads are designed to be used on a single block, protecting the integrity of the main block.

With Patented High Traction Top/Bottom.

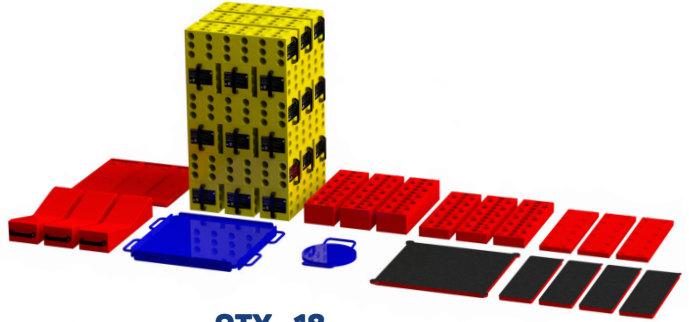
Aust. Pat. No. 2017228727.



SUGGESTED START-UP KIT

ORDER AS - NPR05458-00

The suggested Start-up Kit includes components to suit a variety of different load types.



STACKO™ BLOCK
PART NO. NPR05007-00

QTY - 18

BASE PAD
PART NO. NPR05362-10
with Patented High Traction Base

QTY - 1

JACK PLATE
PART NO. NPR05408-20

QTY - 1

TOP PAD
PART NO. NPR05409-10
with Patented High Traction Top

QTY - 1

SINGLE V-BLOCK
PART NO. NPR05391-10

QTY - 3

TOP PLATE
PART NO. NPR05408-00

QTY - 1

PACKERS
2.5cm (1") NPR05377-30
5cm (2") NPR05377-20
10cm (4") NPR05377-10

QTY - 3 OF EACH SIZE

TOP OR BOTTOM PAD - SINGLE
PART NO. NPR07006-00

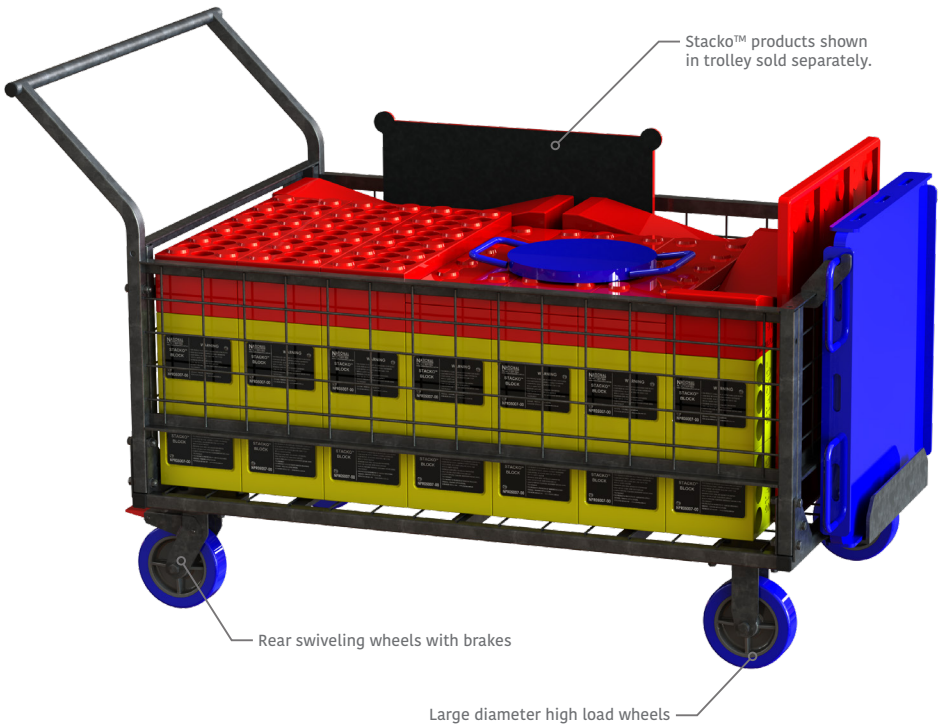
QTY - 4

with Patented High Traction Top/Bottom

STACKO™ TROLLEY

PART NO. NPR05369-00

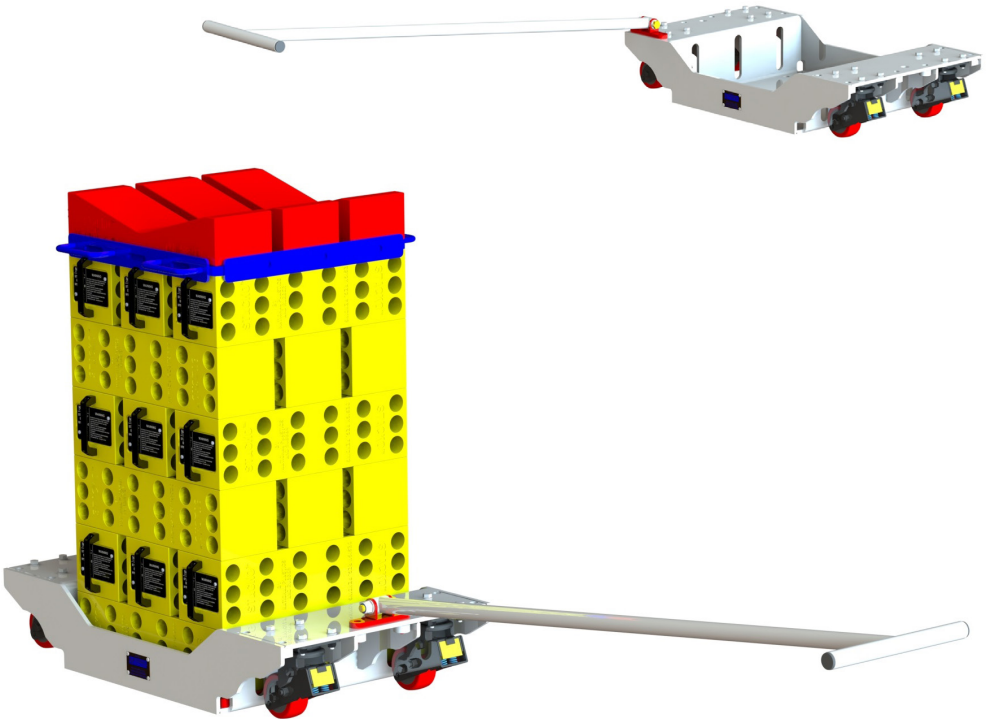
Trolley to suit Start-up Kit. Made from heavy duty galvanised steel construction, can be supplied assembled or flat pack.



SAFE BUILD TROLLEY

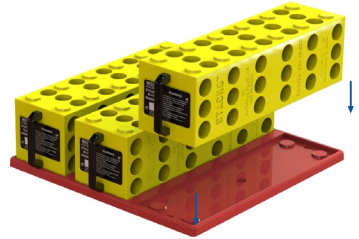
PART NO. NPR07829-00

Eliminate the need for employees going under suspended loads with our newly designed Safe Build Trolley. With retractable wheels, a multi-position handle, moving your stack in and out of place is now easier than ever.

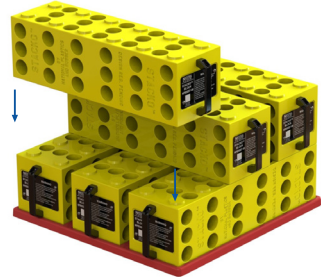


STACK SETUP IS QUICK & SIMPLE

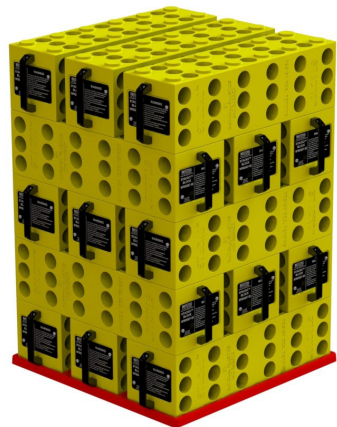
- 1 Inspect all components for damage and serviceability.
- 2 Before using these products you must perform your own risk assessment.
- 3 Position the base on a solid, level surface suitable for the expected load being supported. Place 3 Stacko™ Blocks in the Base Pad grooves to complete the first layer.



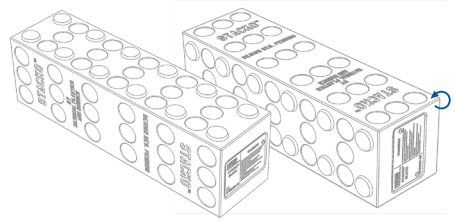
- 4 Begin the second layer by placing another 3 blocks in the opposite direction of the first layer.



- 5 Simply repeat adding layers in alternating directions until the desired height is reached. Up to a maximum of 150cm (60"). Before building the top layer see the next step.



6 Depending on the stack configuration, the top layer of blocks may need to be turned on their side to allow for a flat top surface.



	Normal (Lugs Vertical)	Rotated 90° (Lugs Horizontal)
<p>Configuration 2</p>		
<p>Configuration 3</p>		
<p>Configuration 4</p>		
<p>Configuration 5</p>		
<p>Configuration 6</p>		
<p>Configuration 7</p>		
	<p>Normal (Lugs facing Up)</p>	<p>Rotated 180° (Lugs facing Down)</p>

Note: When using Packers ensure the lugs face the correct direction for the top configuration.

STACKO™ IN USE







NATIONAL PLASTICS & RUBBER

NATIONALPLASTICS.NET.AU

Email info@nationalplastics.net.au **Phone** +617 3279 3066

National Plastics & Rubber has the experience and knowledge necessary to meet your needs.

National Plastics & Rubber promotes safe working practices therefore, performing your own risk assessment is essential before using these products.

We specialise in polyurethane, rubber and industrial plastics design and manufacturing for the mining, automotive and manufacturing industries.